

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : LAI, Shih-Yaw. et al.  
Serial No. :  
Filing Date :  
For : Elastic Substantially Linear Ethylene Polymers

**CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10**

I hereby certify that, on the date shown below, this correspondence is being:

**Mailing**

☒ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

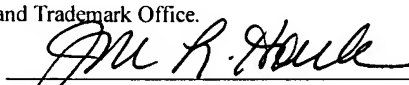
**37 CFR 1.8(a)****37 CFR 1.10**

☐ with sufficient postage as first class mail ☒ As "Express Mail Post Office to Addressee" Mailing Label No. EV405076378US

**Transmission**

☐ transmitted by facsimile to Fax No.: addressed to Examiner at the Patent and Trademark Office.

Date: December 4, 2003

  
Jeri L. Houk

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97/98**

In compliance with Applicants' duty of disclosure as set forth in 37 C.F.R. §1.56, listed on the attached equivalent to Form PTO-1449 are those patents, publications and other information known to the Applicants which may be considered material to the patentability of the claims of the above-captioned application.

This application is a continuation of U.S. Application No. 10/270,212 filed October 11, 2002, which is a continuation of U.S. Application No. 09/884,261 filed June 19, 2001, which is a continuation-in-part of abandoned U.S. Application No. 08/925,827 filed September 5, 1997, which is a continuation of U.S. Application No. 08/730,766 filed October 16, 1996 (now USP 5,665,800), which is a continuation of abandoned U.S. Application No. 08/606,633 filed February 26, 1996, which is a continuation of abandoned U.S. Application No. 08/433,784 filed

May 3, 1995, which is a division of U.S. Application No. 08/370,051 filed January 9, 1995 (now USP 5,525,695), which is a continuation-in-part of U.S. Application No. 08/044,426 filed April 7, 1993 (now USP 5,380,810), which is a division of U.S. Application No. 07/776,130 filed October 15, 1991 (now USP 5,272,236).

All references listed on the enclosed Form PTO-1449 were previously listed on Form PTO-1449 of U.S. Application Serial No. 09/884,261 which is the parent of the present application. Copies of these documents are not required to be provided because these documents were previously submitted to the U.S. PTO in one or more prior applications (37 CFR 1.98(d)).

Consideration of all of these references is requested again due to the continuation status of this application. Copies of these references are in the file wrappers of these related applications, but if these copies are not available to the Examiner, the Applicants will make additional copies available upon request.

The Applicants respectfully request that the documents listed on the attached equivalent to Form PTO-1449 be considered by the Examiner, that these references be made of record in the present application, and that an initialed copy of the attached equivalent to Form PTO-1449 be returned to the undersigned in accordance with MPEP 609.

Respectfully submitted,



Alan E. Wagner

Registration No. 45,188

Dated: December 4, 2003

P.O. ADDRESS:

WHYTE HIRSCHBOECK DUDEK S.C.  
555 East Wells Street, Suite 1900  
Milwaukee, Wisconsin 53202-3819  
(414) 273-2100  
Customer No. 29423

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

AMINER IAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3 4 9 1 0 7 3	1-20-70	Marinak			
	4 2 0 5 0 2 1	5-27-80	Morita et al			
	5 0 5 5 4 3 8	10-08-91	Canich			
	4 5 3 0 9 1 4	7-23-85	Ewen et al			
	4 9 3 5 4 7 4	6-19-90	Ewen et al			
	4 9 3 7 2 9 9	6-26-90	Ewen et al			
	5 0 2 6 7 9 8	6-25-91	Canich			
	3 6 4 5 9 9 2	02-29-72	Elston			
	5 0 9 6 8 6 7	03/1992	Canich et al.	502	103	
	6 0 6 0 5 6 7	05/2000	Lai et al.	526	126	
	5 9 8 6 0 2 8	11/1999	Lai et al.	526	126	

## FOREIGN PATENT DOCUMENTS

AMINER IAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	0 4 1 6 8 1 5 A2		European			
	9 0 0 3 4 1 4		WO			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Journal of Polymer Science, Part A, Vol. 1 (pp. 2869-2880 (1963)), "Long-Chain Branching Frequency in Polyethylene" by J. E. Guillet
		Polymer Preprints, Amer. Chem. Society, Vol. 12, No. 1, pp. 277-281 (March 1971), "Evidence of Long-Chain Branching in High Density Polyethylene" by E. E. Drott and R. A. Mendelson
		Journal of the American Chemical Society, 98:7, pp. 1729-1742 (March 31, 1976) "Structure and Chemistry of Bis(cyclopentadienyl)-MLn Complexes" by Joseph W. Lauber and Roald Hoffman
		Polymer Engineering and Science, Vol. 16, No. 12, pp. 811-816 (December 1976), "Influence of Long-Chain Branching on the Viscoelastic Properties of Low-Density Polyethylenes" by L. Wild, R. Ranganath, and D. Knobeloch
		Angew. Chem. Int. Ed. Engl. pp. 630-632 (1976) Vol. 15, No. 10, "Halogen-Free Soluble Ziegler Catalysts for the Polymerization of Ethylene. Control of Molecular Weight by Choice of Temperature" by Arne Andresen et al
		Advances in Organometallic Chemistry, pp. 99-146, Vol. 18, (1980) "Ziegler-Natta Catalysis" by Hansjorg Sinn and Walter Kaminsky.

AMINER:

DATE CONSIDERED:

AMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev 9-88

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 0 8 2 9 0 8	1-21-92	Imai et al.			
	5 0 5 9 4 8 1	10-22-91	Lustig et al.			
	4 9 6 7 8 9 8	12-11-90	Lustig et al.			
	4 9 6 6 9 5 1	10-30-90	Benham et al.			
	4 9 6 3 3 8 8	10-16-90	Benoit			
	4 8 3 3 0 1 7	5-23-89	Benoit			
	4 8 2 6 9 3 9	5-2-89	Stuart			
	4 8 0 3 2 5 3	2-7-89	McDaniel et al.			
	4 6 9 2 3 8 6	9-8-87	Schinkel et al.			
	4 6 9 0 9 9 1	9-1-87	Seppl			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Derwent 90-239017/31
	Advances In Polyolefins, by R. B. Seymour and T. Cheng, (1987) "Polymerization of Olefins With A Homogeneous Zirconium/Alumoxane Catalyst", pp. 361-371 by W. Kaminsky and R. Hahnse

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Rev. 5-88

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 6 6 8 5 7 5	5-26-87	Schinkel et al.			
	4 6 6 6 7 7 2	5-19-87	Schinkel et al.			
	4 6 2 4 9 9 1	11-25-86	Haas			
	4 5 8 8 7 9 4	5-13-86	Oda			
	4 4 8 2 6 8 7	11-13-84	Noshay et al.			
	4 3 9 0 6 7 7	6-28-83	Karol et al.			
	4 3 6 3 9 0 4	12-14-82	Fraser et al.			
	4 3 5 9 5 6 1	11-16-82	Fraser et al.			
	4 3 0 3 7 7 1	12-01-81	Wagner et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		1991 Specialty Polyolefins Conference Proceedings, "The Marketing Challenge Created By Single Site Catalysts in Polyolefins," September 24, 1991, (pp. 41-45) by Michael P. Jeffries
		High Polymers, Vol. XX, "Crystalline Olefin Polymers" Part I, pp. 495-501
		1991 Polymers, Laminations & Coatings Conference, TAPPI Proceedings, presented in February, 1991, pp. 289-296, "A New Family of Linear Ethylene Polymers with Enhanced Sealing Performance" by D. Van der Sanden and R. W. Halle
		Society of Plastic Engineers 1991 Specialty Polyolefins Conference Proceedings, pp. 41-55, "The Marketing Challenge Created by Single Site Catalysts in Polyolefins" by M. Jelleries (September 24, 1991)
		Advances In Polyolefins, by R. B. Seymour and T. Cheng, (1987), pp. 373-380 "Crystallinity and Morphology of Ethylene $\alpha$ -Olefin Copolymers" by P. Schouterden, G. Groeninckx, and H. Reynaers
		Advances In Polyolefins, by R. B. Seymour and T. Cheng, (1987) "New Catalysis and Process For Ethylene Polymerization", pp. 337-354, by F. Karol, B. Wagner, I. Levine, G. Goetze, and A. Noshay

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

4-788

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 3 0 2 5 6 6	11-24-81	Karol et al.			
	4 2 5 9 4 6 8	3-31-81	Kajiura et al.			
	4 0 1 1 3 8 4	3-8-77	Baxmann et al.			
	5 0 8 4 9 2 7	2-4-92	Parkevich			
	5 0 8 4 0 3 9	1-28-92	Cancio et al.			
	5 0 7 3 5 9 9	12-17-91	Genske			
	5 0 7 3 4 5 2	12-17-91	Satou et al.			
	5 0 6 8 4 8 9	11-26-91	Edwards et al.			
	5 0 6 4 7 9 6	11-12-91	Specia			
	5 0 5 5 5 3 4	10-8-91	Theobald			
	5 0 5 5 5 3 3	10-8-91	Allen et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Journal of Macromolecular Science: Reviews in Macromolecular Chemistry and Physics, C29(2&3), pp. 201-303 (1989) "A Review of High Resolution Liquid <sup>13</sup> C Carbon Nuclear Magnetic Resonance Characterizations of Ethylene-Based Polymers"
		Journal of Non-Newtonian Fluid Mechanics, 36, pp. 255-263 (1990) "Additional Observations on The Surface Melt Fracture Behavior Of Linear Low-Density Polyethylene" by R. Moynihan, D. Baird, and R. Ramanathan
		Makromol. Chem. Rapid Commun., pp. 89-94 (1990) "Terpolymers of Ethylene, Propene and 1,5-Hexadiene Synthesized with Zirconocene/Methylaluminoxane" by W. Kaminsky and H. Drogemüller
		Journal of Rheology, 35 (4), 3 (May, 1991) pp. 497-52, "Wall Slip of Molten High Density Polyethylene. I. Sliding Plate Rheometer Studies" by S. G. Hatzikiriakos and J. M. Dealy
		Proceedings of the 1991 IEEE Power Engineering Society, pp. 184-190 (September 22-27, 1991), "New Specialty Linear Polymers (SLP) For Power Cables" by Monica Hendewerk and Lawrence Spenadel
		Society of Plastic Engineers Proceedings, Polyolefins VII International Conference, February 24-27, 1991, "Structure/Property Relationships In Exxpol™ Polymers" (pp. 45-66) by C. Speed, B. Trudell, A. Mehta, and F. Stehling

EXAMINER:

DATE CONSIDERED:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 9/85

FD-350 (1-7-79)

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	S 0 4 7 4 6 8	9-10-91	Lee et al.			
	R E 3 3 6 8 3	9-3-91	Allen et al.			
	S 0 4 3 0 4 0	8-27-91	Butler			
	S 0 4 1 3 1 6	8-20-91	Parnell et al.			
	S 0 2 5 0 7 2	6-18-91	Nowlin et al.			
	S 0 2 4 7 9 9	6-18-91	Harp et al.			
	S 0 1 5 5 1 1	5-14-91	Treybig et al.			
	S 0 1 3 8 0 1	5-7-91	Cozewith et al.			
	S 0 0 6 3 9 6	4-9-91	VanBortel et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Journal of Applied Polymer Science, pp. 3751-3765 (1985) Vol. 30, "On the Effects of Very Low Levels of Long Chain Branching on Rheological Behavior in Polyethylene" by B. H. Bersted
		Journal of Polymer Science: Polymer Chemistry Edition, pp. 2151-2164 (1985) Vol. 23, "Ethylene Propylene Diene Terpolymers Produced with a Homogeneous and Highly Active Zirconium Catalyst" by Walter Kaminsky et al
		The Society of Rheology, pp. 337-357 (1986) Vol. 30, "Wall Slip in Viscous Fluids and Influence of Materials of Construction" by A. V. Ramamurthy
		Makromol. Chem., Macromol. Symp., 4, pp. 103-113 (1986) "Elastomers By Atactic Linkage of $\alpha$ -Olefins Using Soluble Ziegler Catalysts" by W. Kaminsky and M. Schlobohm
		Journal of Rheology, 31 (8) pp. 815-834 (1987) "Wall Slip and Extrudate Distortion in Linear Low-Density Polyethylene" by D. Kalika and M. Denn
		Makromol. Chem., 190, pp. 515-526 (1989) "Copolymerization of Cycloalkenes with Ethylene In Presence of Chiral Zirconocene Catalysts" by W. Kaminsky and R. Spiehl

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 9 8 3 4 4 7	1-8-91	Crass et al.			
	4 9 8 1 8 2 6	1-1-91	Specia			
	4 9 7 5 3 1 5	12-4-90	Bolthe et al.			
	4 9 6 8 7 6 5	11-6-90	Yagi et al.			
	4 9 2 5 7 2 8	5-15-90	Crass et al.			
	4 9 2 1 9 2 0	5-1-90	Collomb-Ceccarini et al.			
	4 8 9 2 9 1 1	1-9-91	Genske			
	4 8 8 8 3 1 8	12-19-89	Allen et al.			
	4 8 8 2 4 0 6	11-21-89	Cozewith et al.			

[illegible]

		Angew. Chem. Int. Ed. Engl., pp. 390-393, Vol 19 No. 5 (1980) "Living Polymers" on Polymerization with Extremely Productive Ziegler Catalysts" by Hansjorg Sinn, Walter Kaminsky, Hans-Jurgen Vollmer, and Rudiger Woldt
		Polymer Bullentin, 9, pp. 464-469 (1983) "Halogen Free Soluble Ziegler Catalysts with Methylalumoxan as Catalyst" by Jens Herwig and Walter Kaminsky
		Makromol. Chem., Rapid Commun., 4, pp. 417-421 (1983) "Bis(cyclopentadienyl)zirkon-Verbindungen und Aluminoxan als Ziegler-Katalysatoren fur die Polymerisation und Copolymerisation von Olefinen" by Walter Kaminsky et al
		ANTEC Proceedings, pp. 306-309 (1983), "Analysis of Long Chain Branching in High Density Polyethylene" by J.K. Hughes.
		Makromol. Chem., Rapid Commun., (5) pp. 225-228 (1984) "Influence of hydrogen on the polymerization of ethylene with the homogeneous Ziegler system bis(cyclopentadienyl)zirconiumdichloride/aluminoxane" by Walter Kaminsky et al.
		Journal of Polymer Science: Polymer Chemistry Edition, pp. 2117-2133 (1985) Vol. 23, "Homogeneous Ziegler-Natta Catalysis. II. Ethylene Polymerization by IVB Transition Metal Complexes/Methyl Aluminosiloxane Catalyst Systems" by E. Giannetti and R. Mazzocchi

EXAMINER

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

30. 45E



INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	8	7	6	3	2	1		10-24-89	Lo et al.			
		4	8	7	4	8	2	0		10-17-89	Cozewith et al.			
		4	8	5	7	6	1	1		8-15-89	Durand et al.			
		4	8	4	2	9	5	1		6-27-89	Yamada et al.			
		4	8	4	2	9	3	0		6-27-89	Schinkel			
		4	8	4	2	1	8	7		6-27-89	Janocha et al.			
		4	8	3	4	9	4	7		5-30-89	Cook et al.			
		4	8	3	0	9	2	6		5-16-89	Mostert			
		4	8	2	4	8	8	9		4-25-89	Mostert			
		4	8	0	8	6	3	5		2-28-89	Nguyen			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

F. 2. 2. 2.

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

U.S. PATENT DOCUMENTS													
KAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	7	8	9	7	1	4	12-6-88	Cozewith et al.			
		4	7	8	8	2	3	2	11-29-88	Needham			
		4	7	8	0	2	6	4	10-25-88	Dohrer et al.			
		4	7	7	5	7	1	0	10-4-88	Dunski et al.			
		4	7	6	4	5	4	9	8-16-88	Greenhalgh et al.			
		4	7	6	2	8	9	8	8-9-88	Matsuura et al.			
		4	7	4	2	1	3	8	5-3-88	Kageyama			
		4	7	3	2	8	8	2	3-22-88	Allén et al.			
		4	7	2	2	9	7	1	2-2-88	Datta et al.			
		4	7	1	9	1	9	3	1-12-88	Levine et al.			
		4	7	1	6	2	0	7	12-29-87	Cozewith et al.			

[illegible][illegible]

DATE CONSIDERED:

29. 3.85

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 1 0 5 3 8	12-1-87	Jorgensen			
	4 6 9 0 9 9 2	9-1-87	Grubbs et al.			
	4 6 7 7 0 8 7	6-30-87	Lo et al.			
	4 6 7 6 9 2 2	6-30-87	Sommer			
	4 6 7 2 0 9 6	6-9-87	Nowlin			
	4 6 6 8 6 5 0	5-26-87	Lo et al.			
	4 6 6 6 9 9 9	5-19-87	Cook et al.			
	4 6 2 9 7 7 1	12-16-86	Candlin et al.			
	4 6 2 6 4 6 7	12-2-86	Hostetter			
	4 6 1 8 6 6 2	10-21-86	Nowlin			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 9-88

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 5 9 9 3 9 1	7-8-86	Yamamoto et al.			
	4 5 9 3 0 0 9	6-3-86	Nowlin			
	4 5 8 7 3 1 8	5-6-86	Inoue et al.			
	4 4 7 4 7 4 0	4-29-86	Gross et al.			
	4 5 6 8 7 1 3	2-4-86	Hansen et al.			
	4 5 4 7 5 5 5	10-15-85	Cook et al.			
	4 5 1 9 9 6 8	5-28-85	Klaus et al.			
	4 5 1 3 0 3 8	4-23-85	Anthony			
	4 5 0 5 9 7 0	3-19-85	Craver			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4	4	6	7	0	6	5		8-21-84	Williams et al.			
		4	4	6	1	7	9	2		7-24-84	Anthony			
		4	4	5	4	2	8	1		6-12-84	Heitz et al.			
		4	4	5	2	9	5	8		6-5-84	Chester et al.			
		4	4	2	7	5	7	3		1-24-84	Miles et al.			
		4	4	2	4	1	3	8		1-3-84	Candlin et al.			
		4	4	1	0	6	4	9		10-18-83	Cieloszyk			
		4	3	8	3	0	9	5		5-10-83	Goeke et al.			
		4	3	7	9	1	9	7		4-5-83	Cipriani et al.			
		4	3	7	0	4	5	6		1-25-83	George			
		4	3	5	4	0	0	9		10-12-82	Goeke et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 9-85

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 0 5 5 3 3 8	10-8-91	Sheth et al.			
	5 0 1 9 3 1 5	5-28-91	Wilson			
	4 9 9 6 0 9 4	2-26-91	Dutt			
	4 9 5 9 4 3 6	9-25-90	Cozewith et al.			
	4 9 2 3 7 5 0	5-8-90	Jones			
	4 8 8 3 8 5 3	11-28-89	Hobes et al.			
	4 8 7 4 8 2 0	10-17-89	Cozewith et al.			
	4 8 2 0 5 8 9	4-11-89	Dobreski et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

REV. 9/85

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 7 9 2 5 9 5	12-20-88	Cozewith et al.			
	4 7 2 0 4 2 7	1-19-88	Clauson et al.			
	4 6 4 9 0 0 1	3-10-87	Nakamura et al.			
	4 6 1 7 2 4 1	10-14-86	Mueller			
	4 6 1 3 5 4 7	9-23-86	Wagner et al.			
	4 5 9 8 1 2 8	7-1-86	James et al.			
	4 5 9 7 9 2 0	7-1-86	Golike			
	4 5 8 8 6 5 0	5-13-86	Mientus et al.			
	4 5 6 4 5 5 9	1-14-86	Wagner			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Rev. 4-88

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 5 6 3 5 0 4	1-7-86	Hert et al.			
	4 5 5 1 3 8 0	11-5-85	Schoenberg			
	4 5 3 2 1 8 9	7-30-85	Mueller			
	4 5 1 4 4 6 5	4-30-85	Schoenberg			
	4 4 8 6 5 7 9	12-4-84	Machon et al.			
	4 4 8 5 2 1 7	11-27-84	Gunter et al.			
	4 4 6 4 4 2 6	8-7-84	Anthony			
	4 4 6 3 1 5 3	7-31-84	Mizutani et al.			
	4 4 3 8 2 4 3	3-20-84	Kashiwa et al.			
	4 4 1 8 1 1 4	11-29-83	Briggs et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 9-86



INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 3 9 9 1 8 0	8-16-83	Briggs			
	4 3 8 0 5 6 7	4-19-83	Shigemoto			
	4 3 6 7 2 5 6	1-4-83	Biel			
	4 3 4 9 6 4 8	9-14-82	Jorgensen et al.			
	4 3 4 6 8 3 4	8-31-82	Mazumdar			
	4 3 4 0 6 4 1	7-20-82	Weiner			
	4 3 4 0 6 4 0	7-20-82	Weiner			
	4 3 3 9 4 9 6	7-13-82	Weiner			
	4 3 3 9 4 9 3	7-13-82	Weiner			
	4 3 2 8 3 2 8	5-4-82	Minami et al.			
	4 3 0 3 7 1 0	12-1-81	Bullard et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

F. 9.85

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Lai, Shih-Yaw et al.  
For: Elastic Substantially Linear Olefin Polymers  
Atty. Docket No. DOW-8544-CJ

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 4 0 5 7 7 4	9-20-83	Miwa et al.			
	4 5 1 0 3 0 3	4-9-85	Oda et al.			
	4 6 6 8 7 5 2	5-26-87	Tominari et al.			
	4 9 8 7 2 1 2	1-22-91	Mortero et al.			
	5 0 8 4 5 4 0	1-28-92	Albizzati et al.			
	5 6 6 5 8 0 0	09/1997	Lai et al.	524	115	
	5 5 2 5 6 9 5	06/1996	Lai et al.	526	352	
	6 0 2 5 4 4 8	02/2000	Swindoll et al.	526	127	
	5 3 3 6 7 4 6	08/1994	Tsutsui et al.	526	348.6	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 4-88